



# Instituto Politécnico Nacional

## Escuela Superior de Cómputo

### Asignatura:

Programación de Sistemas I.

**“Creación de Base de Datos en MySQL”**

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### Grupo:

- 7CM4.

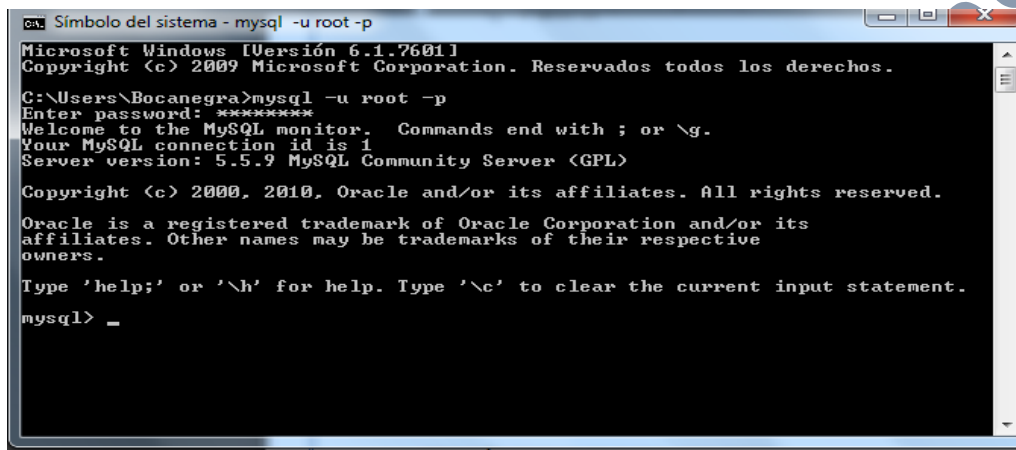


## CREACIÓN DE BASE DE DATOS CON MYSQL

Nos solicitan crear una base de datos con la siguiente información.

- Nombre
- Apellido Paterno
- Apellido Materno
- Fecha de Nacimiento
- Correo Electronico

Accedemos a MySQL.



```
Símbolo del sistema - mysql -u root -p
Microsoft Windows [Versión 6.1.7601]
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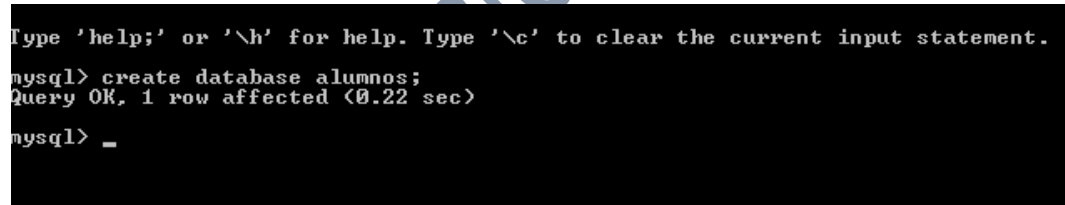
C:\Users\Bocanegra>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.5.9 MySQL Community Server (GPL)

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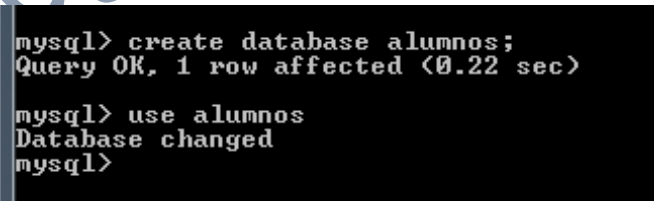
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> _
```

Creamos la Base de Datos la cual llevara como nombre Alumnos.



```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> create database alumnos;
Query OK, 1 row affected (0.22 sec)
mysql> _
```

Usamos la Base de Datos creada:



```
mysql> create database alumnos;
Query OK, 1 row affected (0.22 sec)

mysql> use alumnos
Database changed
mysql>
```

Creamos las Tablas en la Base de Datos creada usando el comando **create table alumnos(nombre varchar(30), aPaterno varchar(30), aMaterno varchar(30), fNac date, correo varchar(45));**

```
mysql> create table alumnos(nombre varchar(30), aPaterno varchar(30), aMaterno v
archar(30), fNac date, correo varchar(45));
Query OK, 0 rows affected (1.22 sec)
mysql>
```

Mostramos las Tablas que contiene nuestra Base de Datos y la descripción que contiene:

```
mysql> show tables;
+-----+
| Tables_in_alumnos |
+-----+
| alumnos            |
+-----+
1 row in set (0.08 sec)
mysql>
```

```
mysql> describe alumnos;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nombre     | varchar(30)   | YES  |     | NULL    |       |
| aPaterno   | varchar(30)   | YES  |     | NULL    |       |
| aMaterno   | varchar(30)   | YES  |     | NULL    |       |
| fNac       | date          | YES  |     | NULL    |       |
| correo     | varchar(45)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.23 sec)
```

Insertamos valores dentro de la tabla:

```
mysql> insert into alumnos values('Mariana','Arriaga','Romero','1987-03-13','mar
@hotmail.com');
Query OK, 1 row affected (0.45 sec)
mysql> select * from alumnos;
+-----+-----+-----+-----+-----+
| nombre | aPaterno | aMaterno | fNac      | correo      |
+-----+-----+-----+-----+-----+
| Mariana | Arriaga  | Romero  | 1987-03-13 | mar@hotmail.com |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Usando load data:

```
mysql> load data local infile "/Users/Bocanegra/Desktop/alumnos.txt" into table
alumnos;
Query OK, 1 row affected (0.38 sec)
Records: 1 Deleted: 0 Skipped: 0 Warnings: 0
mysql> select * from alumnos;
+-----+-----+-----+-----+-----+
| nombre | aPaterno | aMaterno | fNac      | correo      |
+-----+-----+-----+-----+-----+
| Mariana | Arriaga  | Romero  | 1987-03-13 | mar@hotmail.com |
| Jose   | Bocanegra | Sosa    | 1987-07-02 | jjbs10@hotmail.com |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Modificamos la Base de Datos en el Correo de "José":

```
mysql> update alumnos set correo='jjbs51@hotmail.com' where nombre='Jose';
Query OK, 1 row affected (0.11 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from alumnos where aPaterno='Bocanegra';
+-----+-----+-----+-----+-----+
| nombre | aPaterno | aMaterno | fNac   | correo |
+-----+-----+-----+-----+-----+
| Jose   | Bocanegra | Sosa     | 1987-07-02 | jjbs51@hotmail.com |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Programación de Sistemas I